

FIG. 1

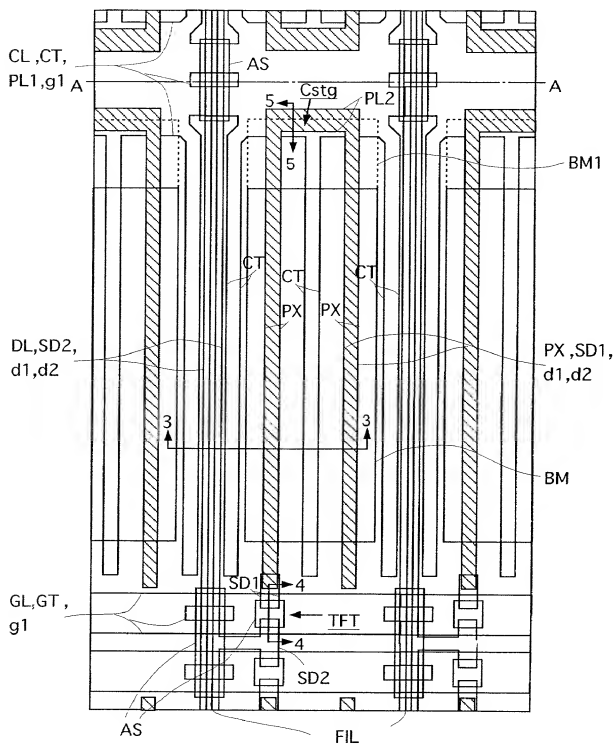
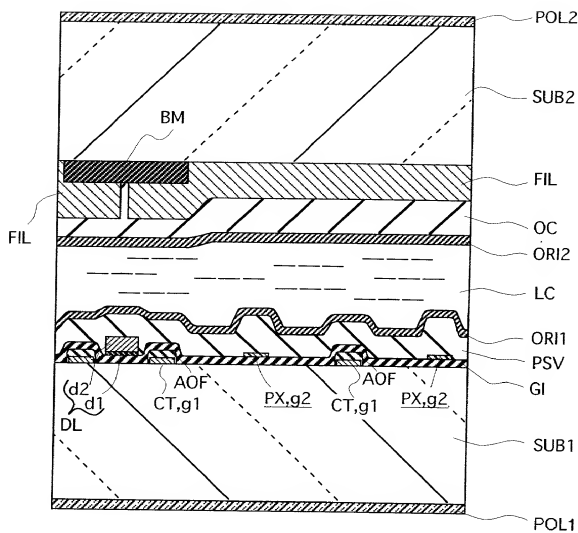


FIG.2



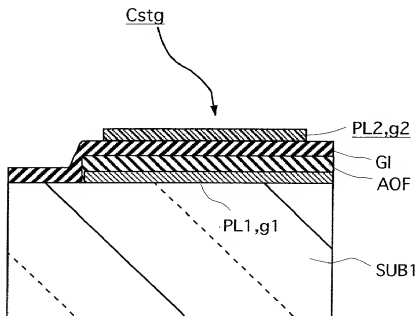
[illegible][illegible]

FIG. 5

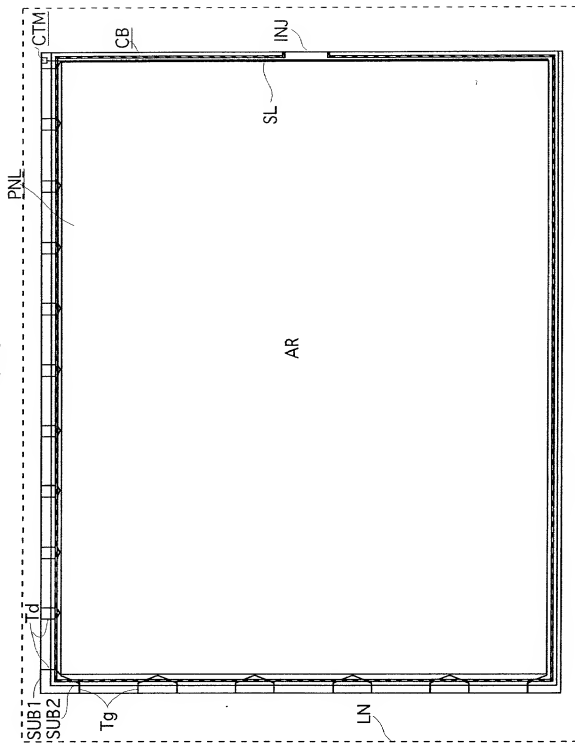


FIG. 6

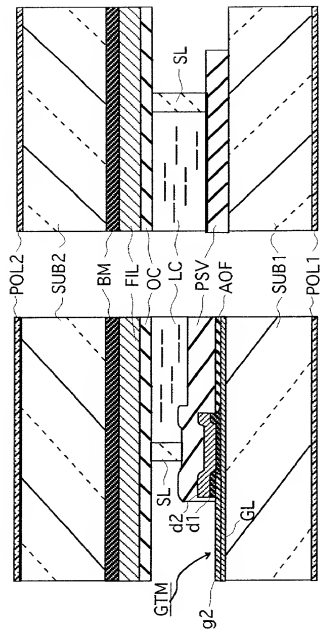


FIG. 7A

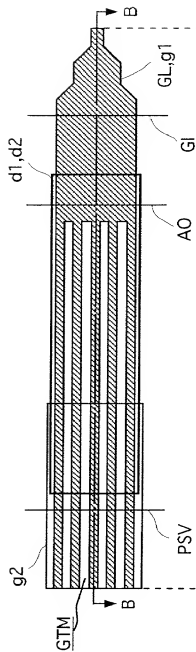


FIG. 7B

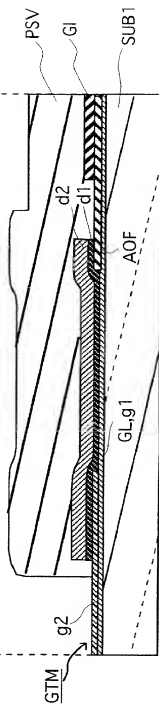


FIG. 8A

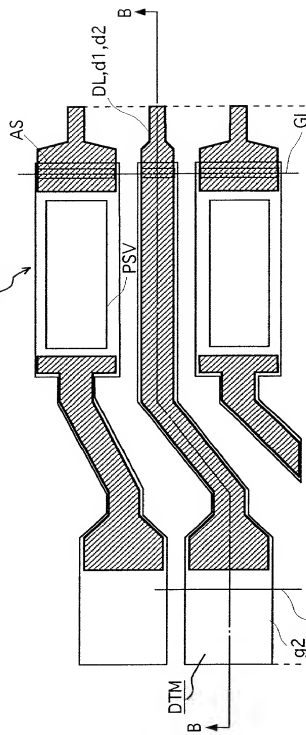


FIG. 8B

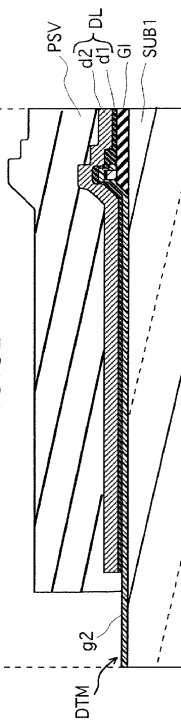


FIG.9A

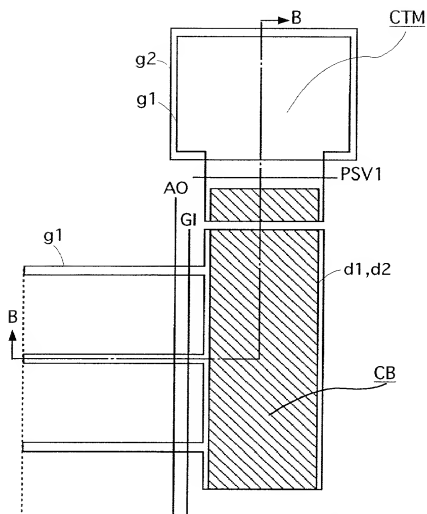


FIG.9B

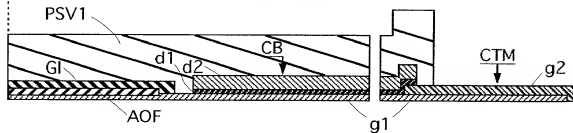


FIG.10

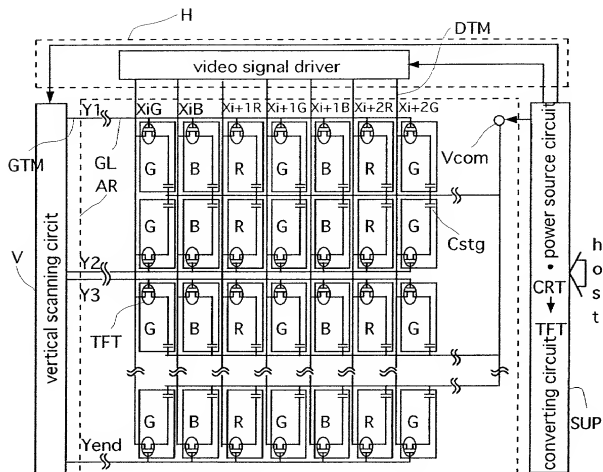


FIG.11

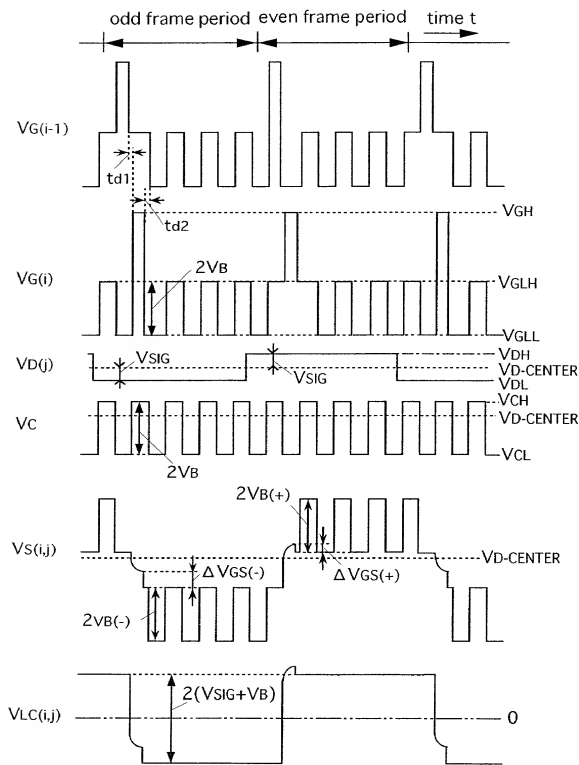


FIG. 12

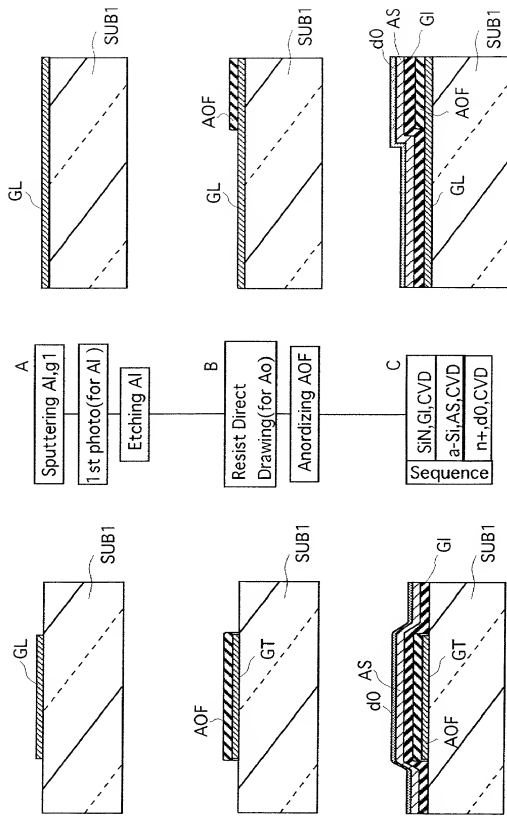


FIG.13

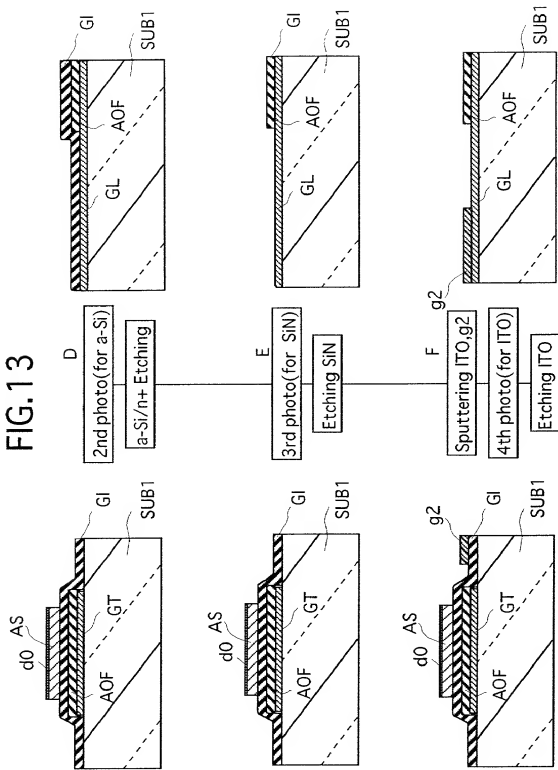


FIG.15

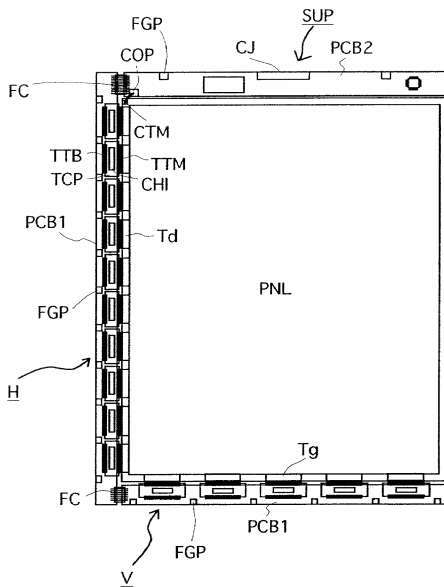


FIG.16

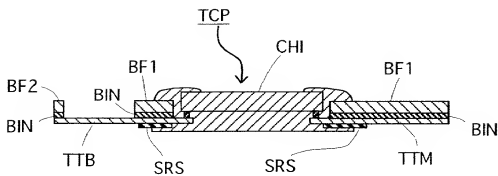


FIG.17

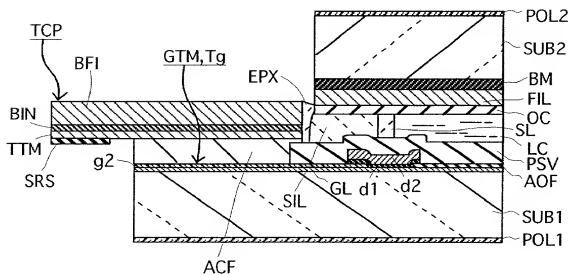


FIG.18

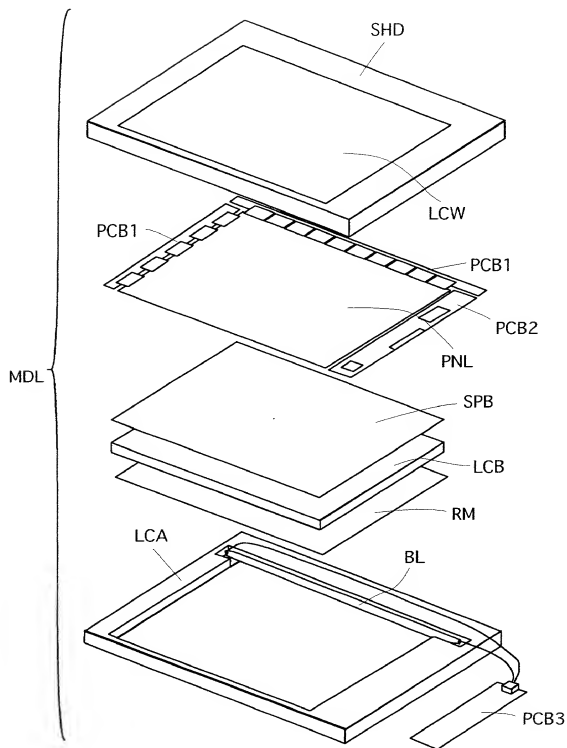


FIG.19

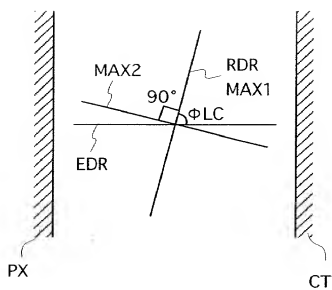


FIG.20

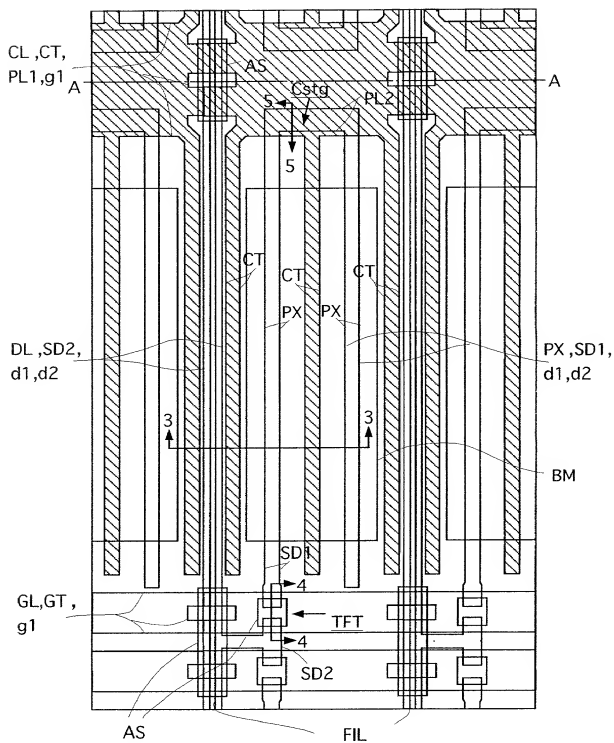


FIG.21

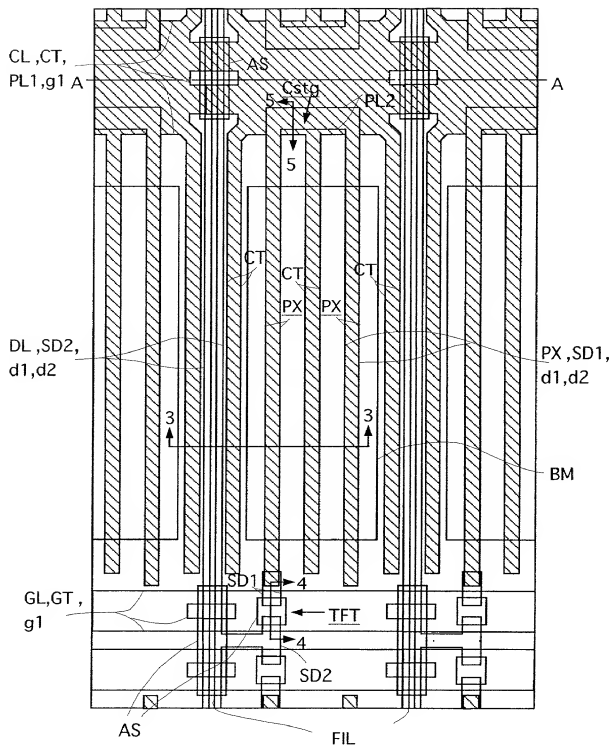


FIG.22

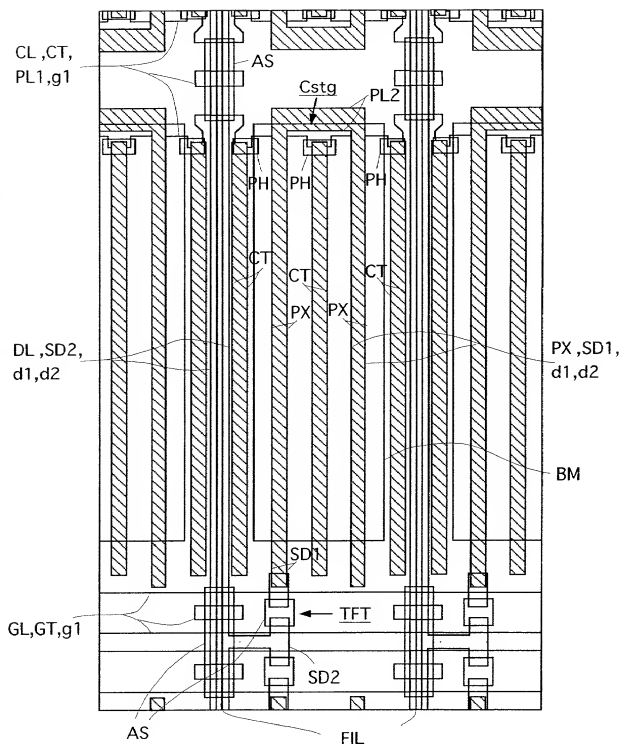


FIG.24C

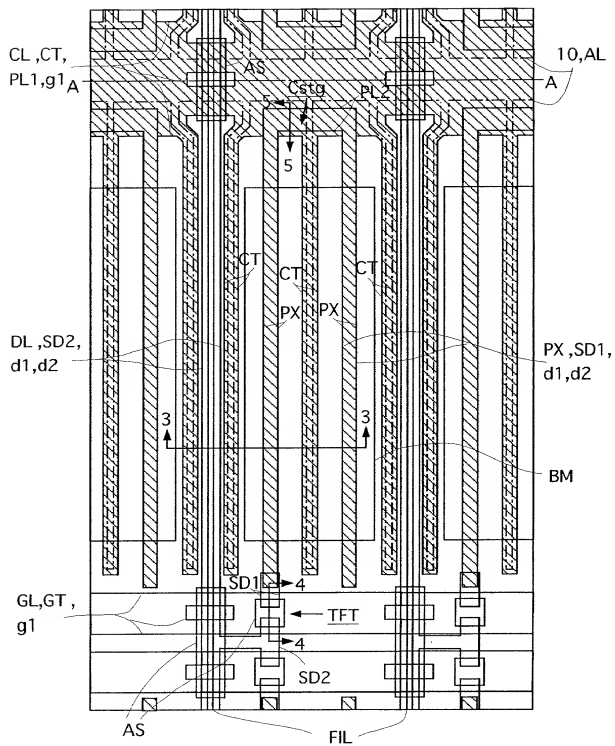


FIG.25

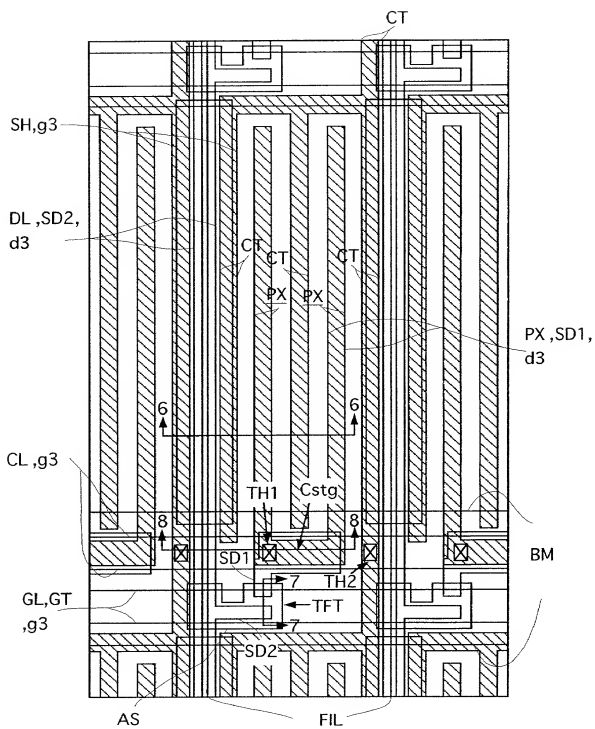


FIG.26

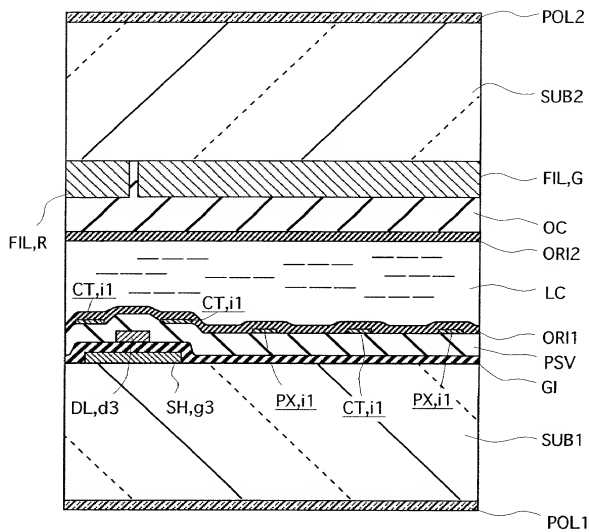


FIG.27

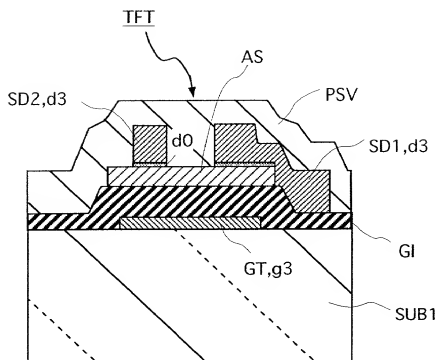


FIG.28

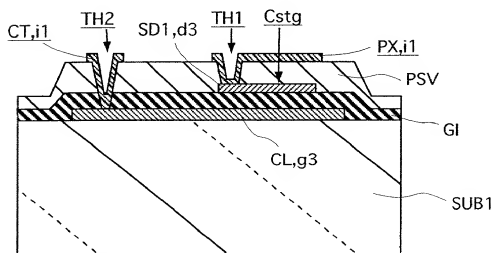


FIG. 29A

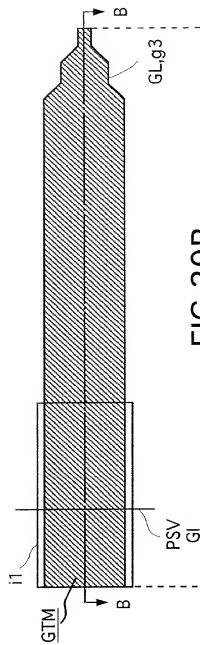
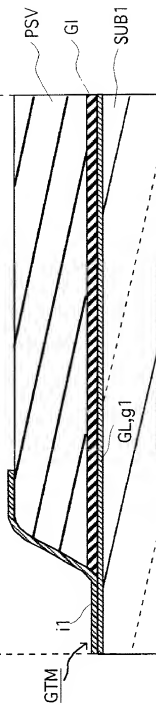


FIG. 29B



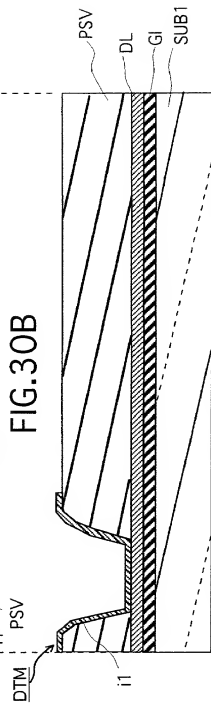
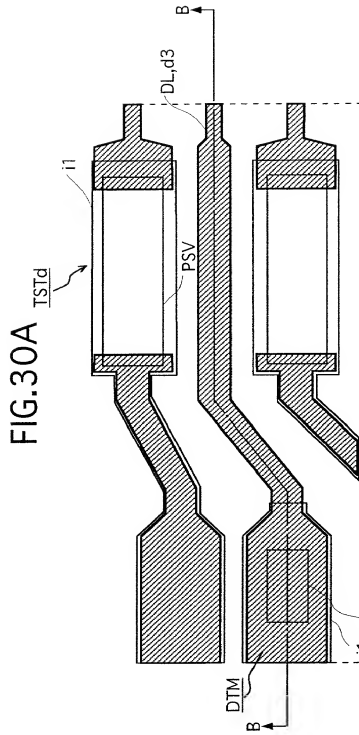


FIG.31A

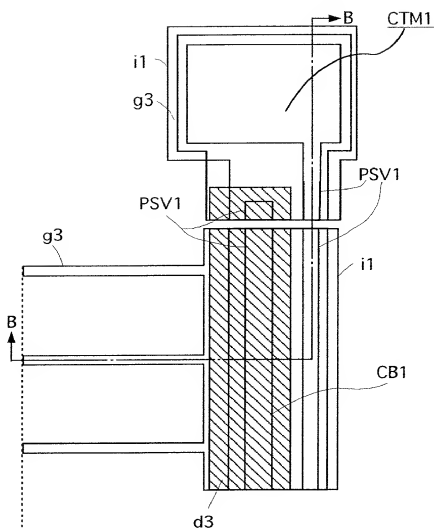


FIG.31B

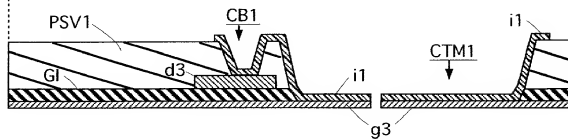


FIG.32A

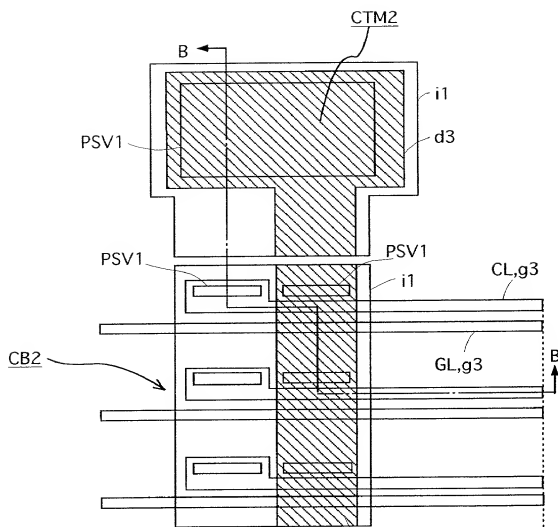


FIG.32B

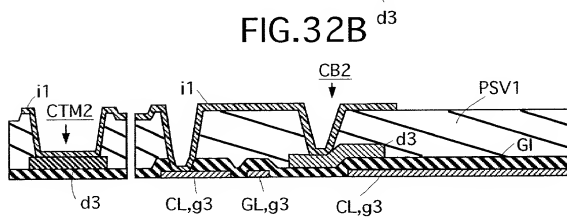


FIG.33

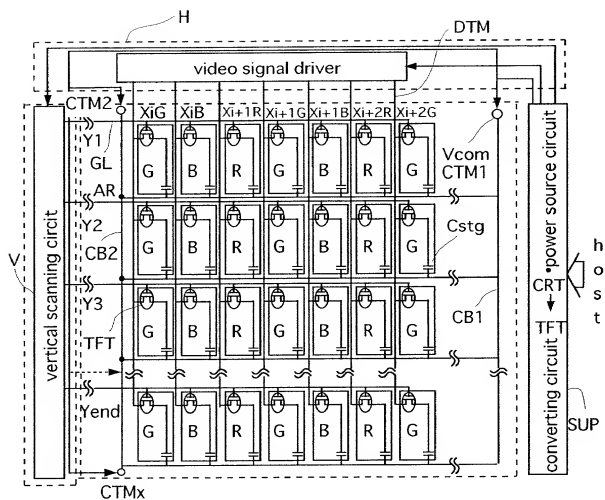


FIG.34

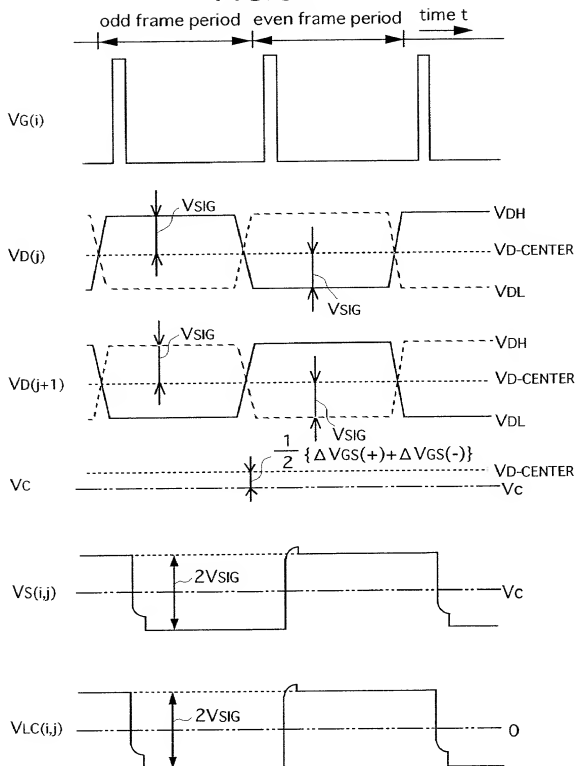


FIG.35

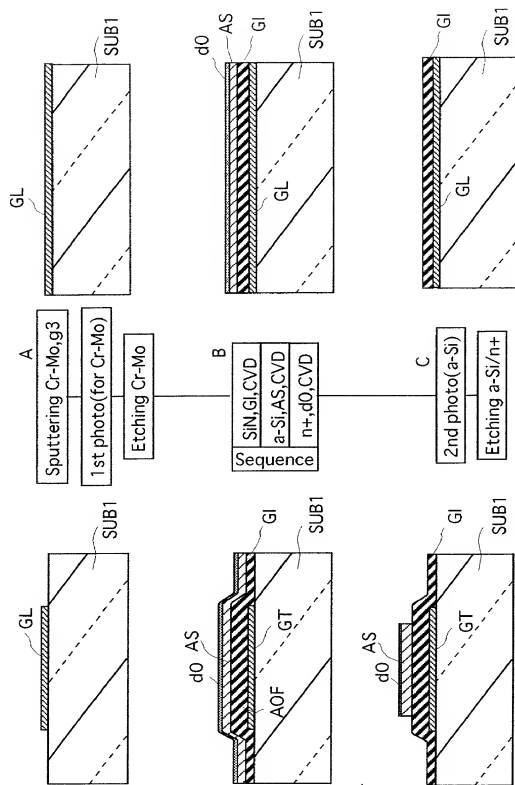


FIG. 36

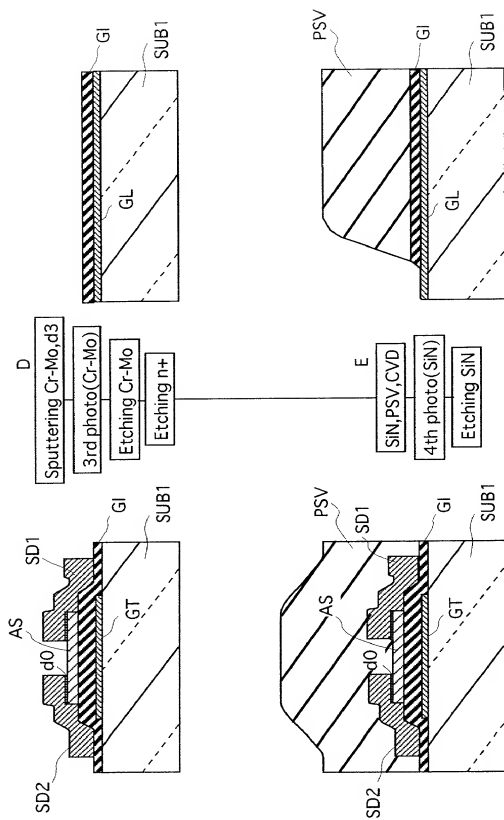
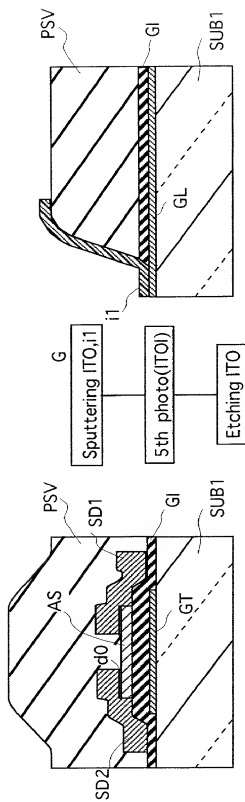


FIG.37



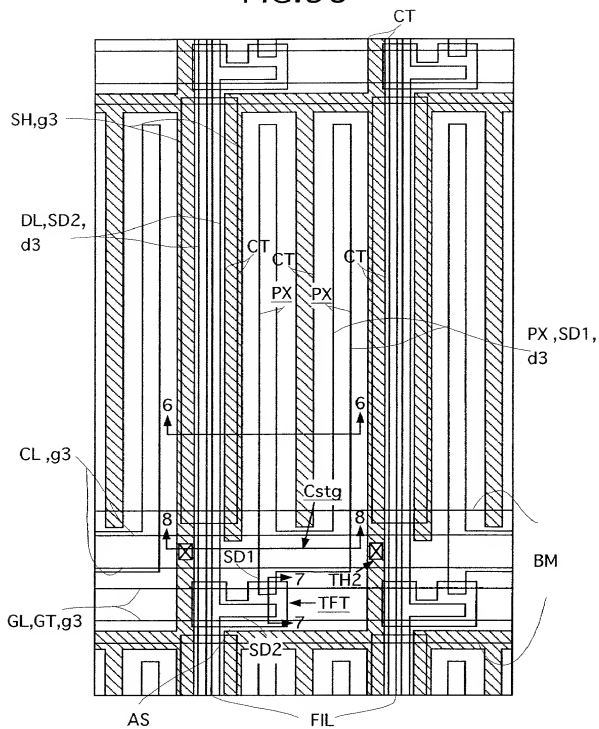
[illegible]

FIG.39

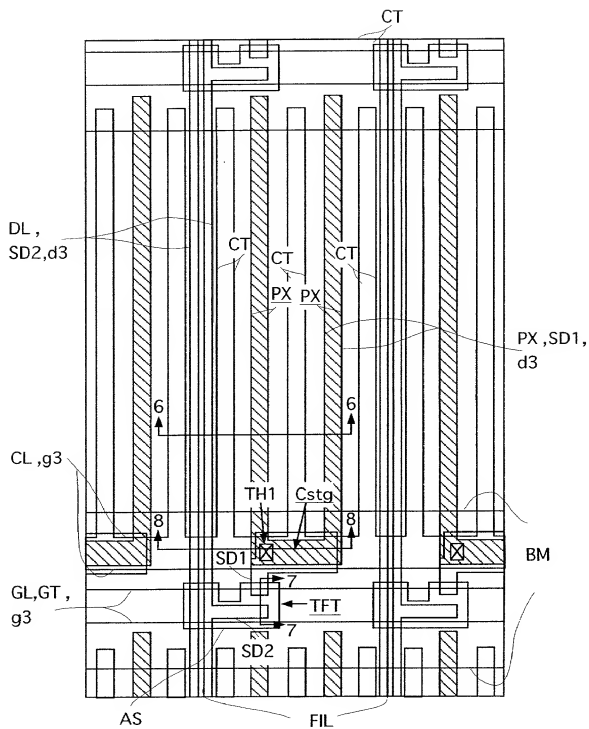


FIG.40

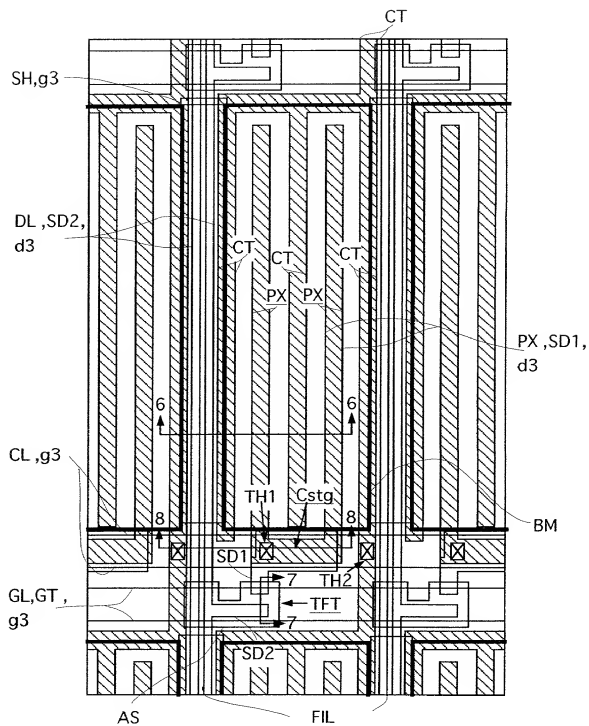


FIG.41A

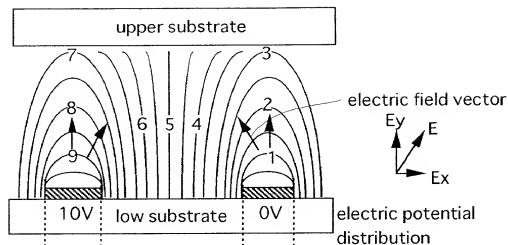


FIG.41B

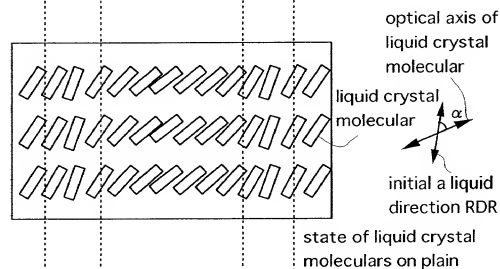


FIG.41C

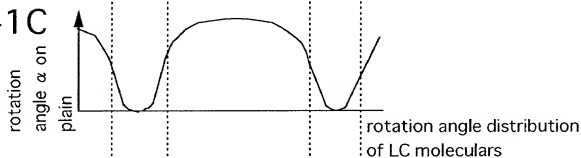


FIG.41D

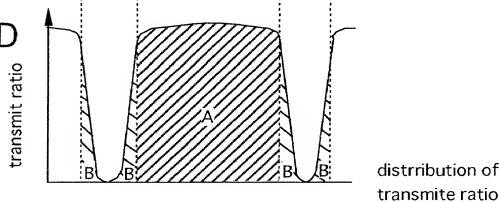
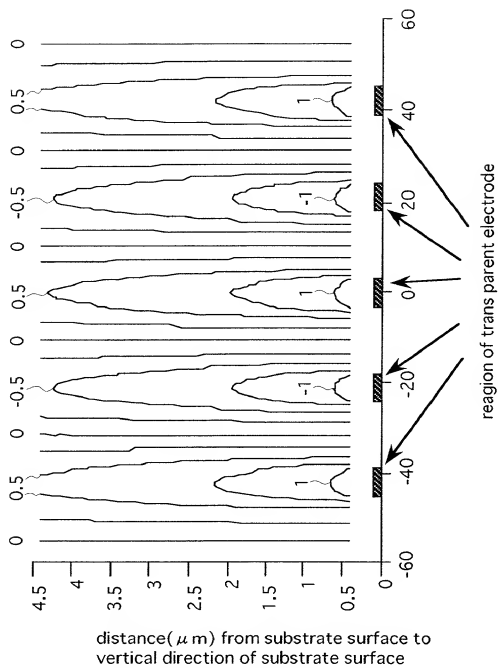
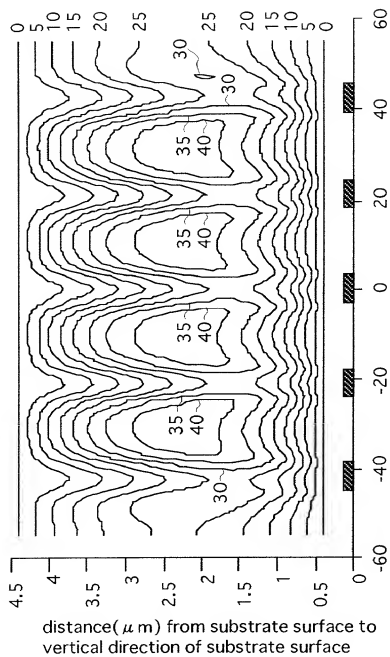


FIG.42A



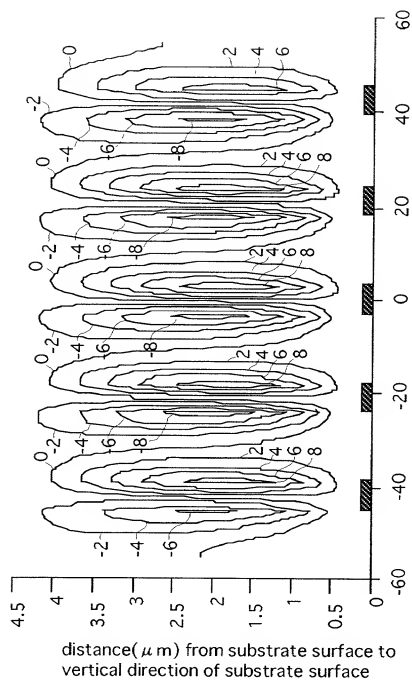
equipotential curve

FIG.42B



rotation angle of LC molecules

FIG.42C



tilt angle of LC molecules

FIG.43A

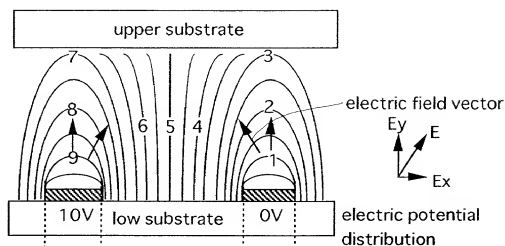


FIG.43B

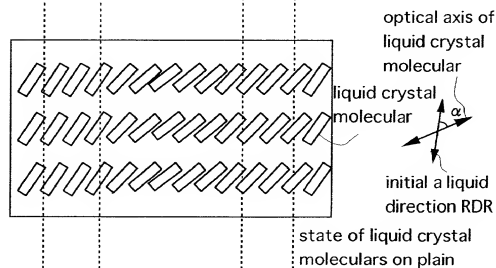


FIG.43C

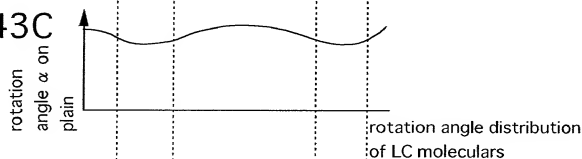


FIG.43D

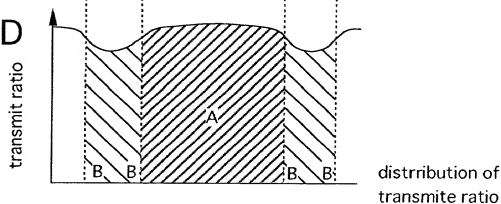


FIG.44

